(8)

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAAPURA

***Name of Work**: Estimate for Improvements to Roads and Drains at Doddabommasandra and surrounding area in Ward No. 10, (Doddabommasandra), Vidyaranyapura Sub Division.*

Estimated Cost: Rs: 60.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Roads and Drains at Doddabommasandra and Surrounding area in Ward No. 10, (Doddabommasandra), Vidyaranyapura Sub Division.** (7)

								Estimate Cost:	6000000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 **Page No. 140, Item No. 18.47, PWD SR 2018-19**	Cum							
	For CC Road Chandrappa Layout		1	90.00	4.50	0.20	81.00		
			1	95.00	4.50	0.20	85.50		
			1	80.00	4.30	0.20	68.80		
			1	90.00	4.50	0.20	81.00		
			1	85.00	4.50	0.20	76.50		
	Ramachandrapura Old Village		1	30.00	3.20	0.20	19.20		
			1	25.00	3.00	0.20	15.00		
			1	30.00	2.80	0.20	16.80		
			1	40.00	3.00	0.20	24.00		
			1	25.00	2.80	0.20	14.00		
			1	30.00	2.80	0.20	16.80		
			1	28.00	4.20	0.20	23.52		
			1	35.00	3.80	0.20	26.60		
			1	45.00	5.00	0.20	45.00		
			1	40.00	4.00	0.20	32.00		
	Basic Rate	899.00					**625.72**	1059.02	**662650.00**
	Area Weightage @ 6%	53.94							
	Total	**952.94**							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
	Total	**1059.02**							
2	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 **Page No. 6 / Item No. 2.1 of PWD SR 2018-19**	Cum							
	For CC Road Chandrappa Layout		1	90.00	4.50	0.10	40.50		
			1	95.00	4.50	0.10	42.75		
			1	80.00	4.30	0.10	34.40		
			1	90.00	4.50	0.15	60.75		
			1	85.00	4.50	0.15	57.38		
	Ramachandrapura Old Village		1	30.00	3.20	0.15	14.40		
			1	25.00	3.00	0.15	11.25		
			1	30.00	2.80	0.15	12.60		
			1	40.00	3.00	0.15	18.00		
			1	25.00	2.80	0.15	10.50		
			1	30.00	2.80	0.15	12.60		
			1	28.00	4.20	0.10	11.76		
			1	35.00	3.80	0.15	19.95		
			1	45.00	5.00	0.15	33.75		

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			1	40.00	4.00	0.15	24.00		
	Basic Rate	249.00					**404.59**	370.02	**149705.00**
	Area Weightage @ 6%	14.94							
	Total	**263.94**							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
	Total	**370.02**							
3	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.13, Item No. 4.3 of PWD SR 2018-19**	Cum							
	For CC Road Chandrappa Layout		1	90.00	4.50	0.15	60.75		
			1	95.00	4.50	0.15	64.13		
			1	80.00	4.30	0.15	51.60		
			1	90.00	4.50	0.15	60.75		
			1	85.00	4.50	0.15	57.38		
	Ramachandrapura Old Village		1	30.00	3.20	0.15	14.40		
			1	25.00	3.00	0.15	11.25		
			1	30.00	2.80	0.15	12.60		
			1	40.00	3.00	0.15	18.00		
			1	25.00	2.80	0.15	10.50		
			1	30.00	2.80	0.15	12.60		
			1	28.00	4.20	0.15	17.64		
			1	35.00	3.80	0.15	19.95		
			1	45.00	5.00	0.15	33.75		
			1	40.00	4.00	0.15	24.00		
							469.29	5408.12	**2537977.00**
	Basic Rate	5102.00							
	Area Weightage @ 6%	306.12							
	Total	**5408.12**							
4	Construction of un-reinforced plain cement concrete pavement, using grade concrete M30 over a prepared base with OPC course aggregate at 0.69 cum fine aggregates at 0.46 cum course and fine aggregtes confirming to IS : 383-2016, with superplastisiser @3lts confirming to IS9103-1999 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. **(with OPC 320Kg per cum GGBS 40 Kg/cum confirming to IS: 12089**	Cum							
	For CC Road Chandrappa Layout		1	90.00	4.50	0.125	50.63		
			1	95.00	4.50	0.125	53.44		
			1	80.00	4.30	0.125	43.00		

Description	Unit	No.	L	B	D	Qty	Rate	Amount
		1	90.00	4.50	0.125	50.63		
		1	85.00	4.50	0.125	47.81		
machandrapura Old Village		1	30.00	3.20	0.125	12.00		
		1	25.00	3.00	0.125	9.38		
		1	30.00	2.80	0.125	10.50		
		1	40.00	3.00	0.125	15.00		
		1	25.00	2.80	0.125	8.75		
		1	30.00	2.80	0.125	10.50		
		1	28.00	4.20	0.125	14.70		
		1	35.00	3.80	0.125	16.63		
		1	45.00	5.00	0.125	28.13		
		1	40.00	4.00	0.125	20.00		
						391.08	5128.28	**2005542.00**
Basic Rate	4838.00							
Area Weightage @ 6%	290.28							
Total	**5128.28**							
Sub Total								**5355874.00**
GST 12%								**642705.00**
Miscellaneous and other Charges	L/S							**1421.00**
							Total	**6000000.00**

Rupees Sixty Lakh(s) Only

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19.
3 This work included under Special Grants.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

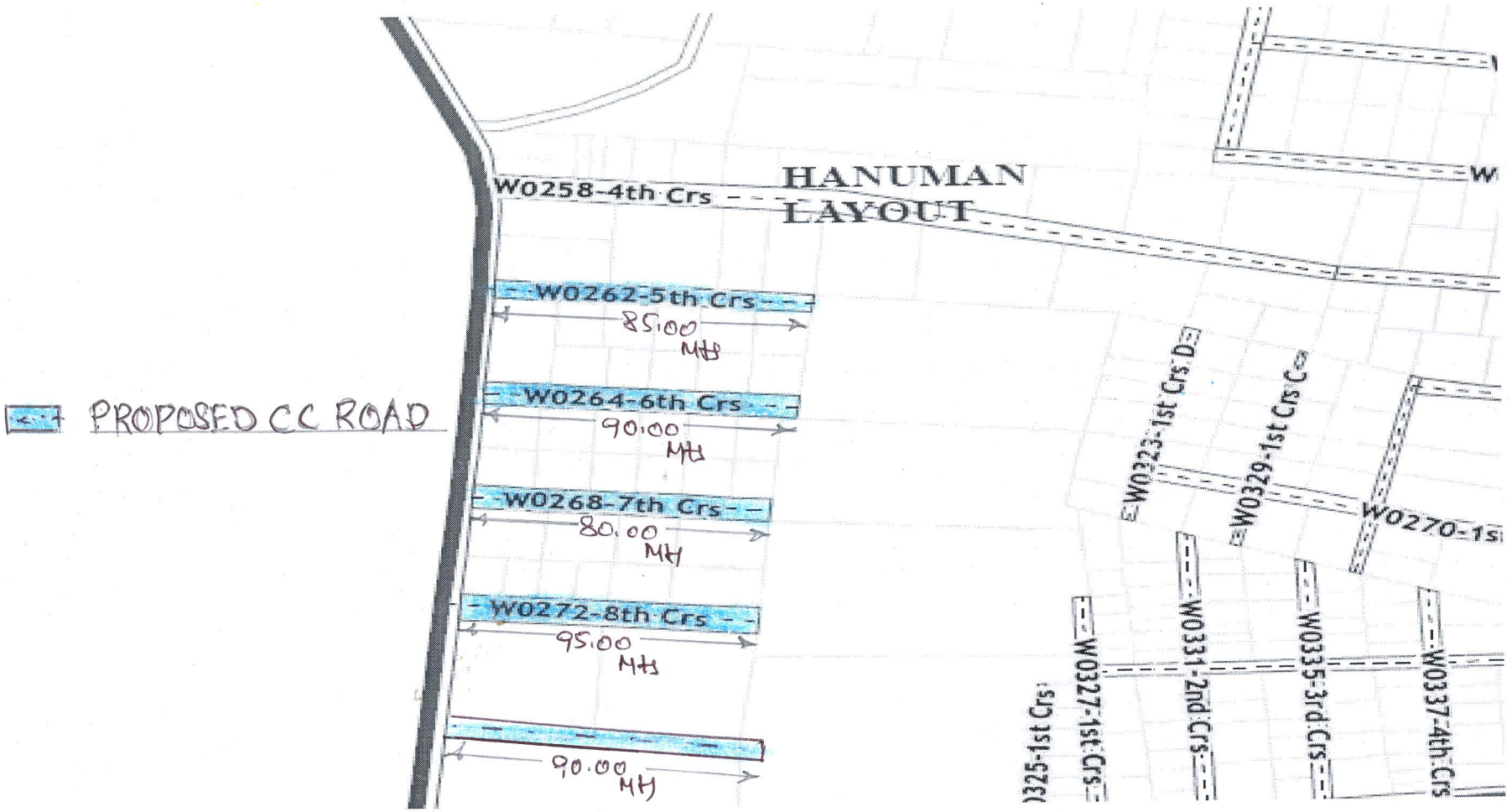
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVE APPROVAL
Accorded For Rs. 60.00 Lakhs Sixty Lakhs only
Head of A/c. P3603, Special Development works
Div. Ref. No. 57/19-20 Date 24-10-19
24/10
AE
24/10
EE(BTP)

Technical Sanction
Accorded For R.S. 60.00 lakhs only
Head of A/C. P3603
CER NO : 97 Dt: 23.10.2019
TA
CE (YNK)

Name of work: Improvements to Roads and Drains at Doddabommasandra and Surrounding area in Ward No. 10, (Doddabommasandra), Vidyaranyapura Sub Division.

(4)

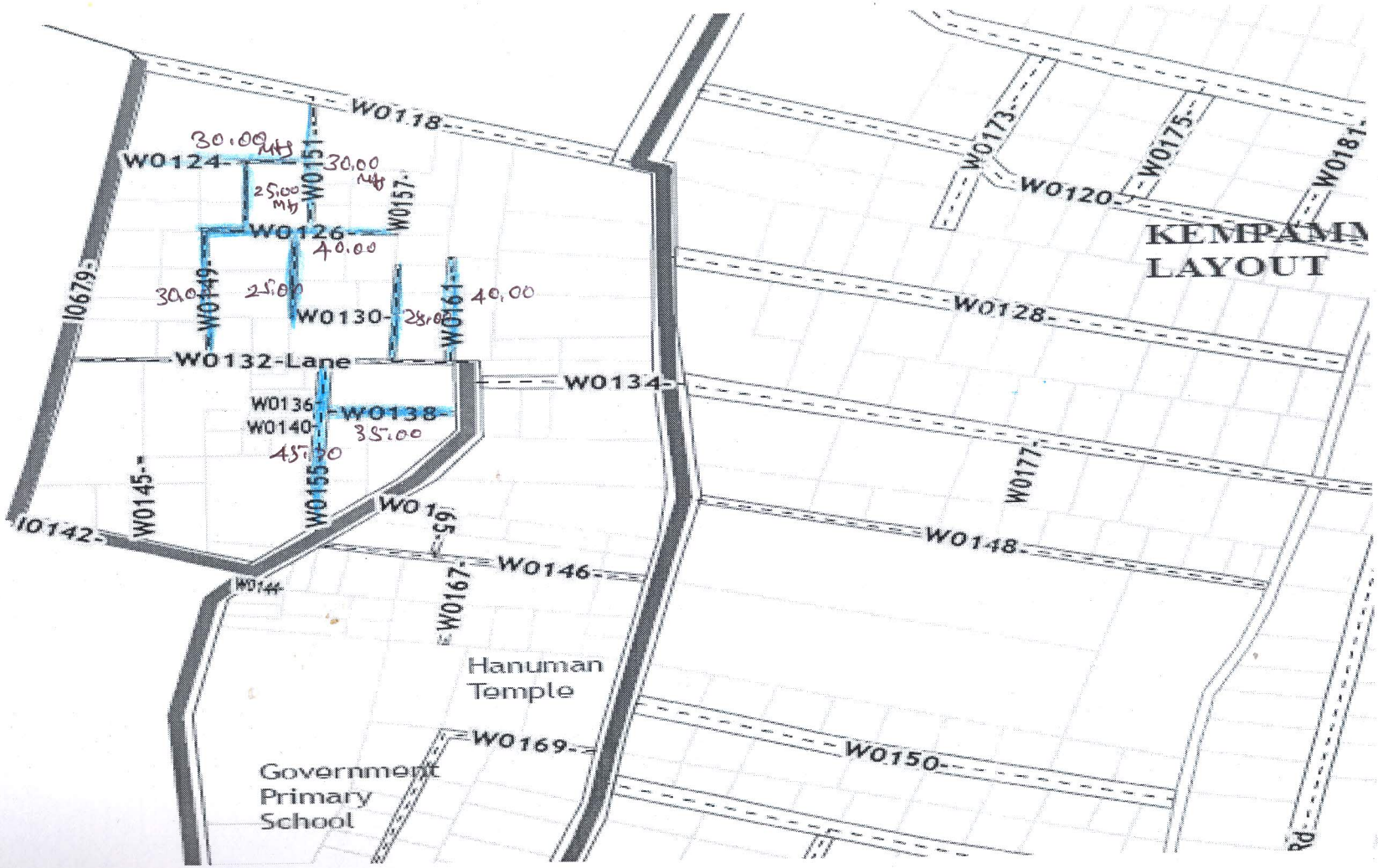


Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division

Name of work: Improvements to Roads and Drains at Doddabommasandra and Surrounding area in Ward No. 10, (Doddabommasandra), Vidyaranyapura Sub Division.

(3)



Proposed C.C Road.

Suvitha N K
Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division